

Notice of Allowability

Application No.

09/834,911

Examiner

Ted M. Wang

Applicant(s)

ALRIKSSON ET AL.

Art Unit

2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/01/2005.
2. ☒ The allowed claim(s) is/are 1-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>1/16/2006</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 16 January 2006 has been entered.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 16 January 2006 was filed after the mailing date of the Notice of Allowance, before issue fee paid, on 31 October 2005. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Examiner Amendments

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

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4. Authorization for this examiner's amendment was given in a telephone interview with Applicant's representative Kenneth Leffler on 25 April 2006.

5. The application has been amended as follows:

In the claims:

- Claim 1, line 11, after "piconet" insert --- wherein:

the first rendezvous point is defined based on information specific to the PMP node, rather than being associated with a link between the PMP node and the first node; and

the second rendezvous point is defined based on information specific to the PMP node, rather than being associated with a link between the PMP node and the second node ---.

- Claim 18, line 4, before ",", insert --- rather than being based on one or more links between the slave node and one or more other nodes ---.

- Claim 19, line 4, before ",", insert --- rather than being based on one or more links between the slave node and one or more other nodes ---.

- Claim 21, line 13, after "point" insert --- wherein:

the first rendezvous point is defined based on information specific to the PMP node, rather than being associated with a link between the PMP node and the first node; and

the second rendezvous point is defined based on information specific to the PMP node, rather than being associated with a link between the PMP node and the second node ---.

Allowable Subject Matter

6. Claims 1-23 are allowed.
7. The following is an examiner's statement of reasons for allowance.
 - The prior art fails to teach a method of Claims 1, 18, 19, and 21 that specifically comprises the following:
 - The instant application is deemed to be directed to a non-obvious improvement over the invention patented in Pat. No. US 6,594,703, US 6,771,593, US 6,785,254, US 6,829,288, US 2002/0,067,724 and US 2003/0076842 A1. The improvement comprises:

With regard claim 1, "wherein the first rendezvous point is defined based on information specific to the PMP node, rather than being associated with a link between the PMP node and the first node; and the second rendezvous point is defined based on information specific to the PMP node, rather than being associated with a link between the PMP node and the second node; switching the PMP node to a second piconet to exchange data with a second node within the second payload window; and determining by the first node, in response to the PMP node missing the second rendezvous point, said PMP node switching to the second piconet" as recited in combination with other limitation in claim 1, and

With regard claim 18, "defining rendezvous points for a slave node based upon information specific to the slave node rather than being based on one or more links between the slave node and one or more other nodes; monitoring the rendezvous points by a first master node of the first piconet to determine the slave node's first piconet presence for each of the associated payload windows; and monitoring the rendezvous points by a second master node of the second piconet to determine the slave node's second piconet presence for each of the associated payload windows." as recited in combination with other limitation in claim 18, and

With regard claim 19, "defining rendezvous points for a slave node based upon information specific to the slave node rather than being based on one or more links between the slave node and one or more other nodes; monitoring the rendezvous points by a first master node of the first piconet to determine the slave node's first piconet presence for each of the associated payload windows; wherein said rendezvous points are for all piconets to which the slave node belongs, the first piconet being one of said all piconets." as recited in combination with other limitation in claim 19, and

With regard claim 21, "wherein the first rendezvous point is defined based on information specific to the PMP node, rather than being associated with a link between the PMP node and the first node;

and the second rendezvous point is defined based on information specific to the PMP node, rather than being associated with a link between the PMP node and the second node; the PMP node having a first rendezvous point associated with a first payload window and a second rendezvous point associated with a second payload window;
as recited in combination with other limitation in claim 21.

8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted M. Wang whose telephone number is (571) 272-3053. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on (571) 272-3056. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866) 217-9197 (toll-free).

Ted M Wang

Examiner

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Ted M. Wang

Kevin M. Burd
KEVIN BURD
PRIMARY EXAMINER